ENVIRONMENTAL CHEMISTS

Date of Report: 03/28/03 Date Received: 03/13/03

Project: Metro Self Monitor, PO# M69637, F&BI 303118

Date Extracted: 03/25/03 Date Analyzed: 03/25/03

RESULTS FROM THE ANALYSIS OF THE WATER SAMPLE FOR TOTAL METALS BY INDUCTIVELY COUPLED PLASMA (ICP) (METHOD 6010)

Results Reported as mg/L (ppm)

Sample ID	Chromium Copper Nicke	<u>Zinc</u>
Laboratory ID		
M69637	0.50 0.39 0.45	< 0.05
303118-01		
Method Blank	<0.05 <0.05 <0.05	< 0.05

ENVIRONMENTAL CHEMISTS

Date of Report: 03/28/03 Date Received: 03/13/03

Project: Metro Self Monitor, PO# M69637, F&BI 303118

QUALITY ASSURANCE RESULTS FROM TOTAL METALS BY INDUCTIVELY COUPLED PLASMA (ICP) (METHOD 6010)

Laboratory Code: 303196-01 (Duplicate)

	Reporting	Sample	Duplicat	Relative e Percent	Acceptance
Analyte	Units	Result	Result	Difference	Criteria
Chromium	mg/L (ppm)	0.74	0.76	3	0-20
Copper	mg/L (ppm)	0.57	0.57	0	0-20
Nickel	mg/L (ppm)	0.46	0.47	2	0-20
Zinc	mg/L (ppm)	0.07	<0.05	nm	0-20

Laboratory Code: 303196-01 (Matrix Spike)

	Reporting	Spike	Sample	% Recove	ery Acceptance
Analyte	Units	Level	Result	MS	Criteria
Chromium	mg/L (ppm)	2	0.74	90	80-120
Copper	mg/L (ppm)	2	0.57	95	80-120
Nickel	mg/L (ppm)	4	0.46	87	80-120
Zinc	mg/L (ppm)	2	0.07	85	80-120

Laboratory Code: Laboratory Control Sample

	Reporting	Spike 9	% Recov	ery % Recove	ery	Acceptanc	e RI	D
Analyte	Units	Level	LCS	LCSD		Criteria	(Lim	it 20)
Chromium	mg/L (ppm)	2	93	91		80-120	5	2 7
Copper	mg/L (ppm)	2	94	92		80-120		2
Nickel	mg/L (ppm)	4	92	92		80-120	()
Zinc	mg/L (ppm)	2	96	93		80-120		

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

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SAMPLE CHAIN OF CUSTODY

CM	03/13/03	AII

Send Report To (7)	Thomas	\sim				0.00				=						T	URN	AROUNI	TIME	
Company ACASKAN Copper works				1	PROJECT NAME/NO. PO#									☐ Standard (2 Weeks)						
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Sample ID	Lab ID	Date	Time	Samp	le Type	# of containers	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS	Oc. Cu, viz	/				1	Notes ,	
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ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D. Charlene Morrow, M.S. Yelena Aravkina, M.S. Bradley T. Benson, B.S. Kurt Johnson, B.S.

3012 16th Avenue West Seattle, WA 98119-2029 TEL: (206) 285-8282 FAX: (206) 283-5044 e-mail: fbi@isomedia.com

March 28, 2003

Gerry Thompson, Project Manager Alaskan Copper Works 628 South Hanford Seattle, WA 98134

Dear Mr. Thompson:

Included are the results from the testing of material submitted on March 13, 2003 from the Metro Self Monitor, PO# M69637, F&BI 303118 project. There are 2 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Charlene Morrow

Charlene Morrow

Chemist

Enclosures ACU0328R.DOC

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March 28, 2003

DUPLICATE COPY

INVOICE # 03ACU0328-2

Accounts Payable Alaskan Copper Works 628 South Hanford Seattle, WA 98134

RE: Project Metro Self Monitor, PO# M69637, F&BI 303118 - Results of testing requested by Gerry Thompson for material submitted on March 13, 2003.

1 sample analyzed for Total Chromium, Copper, Nickel and Zino	3	
by Method 6010B @ \$80 per sample		\$ 80.00
공장 마셨는데 회사 회사는 기가 가장 가장 보세요? 그 맛있는 지금 보다는 보다는 사람이 없었다.		
Amount Due		\$ 80.00

FEDERAL TAX ID #(b) (6)